

NASA TECH BRIEF

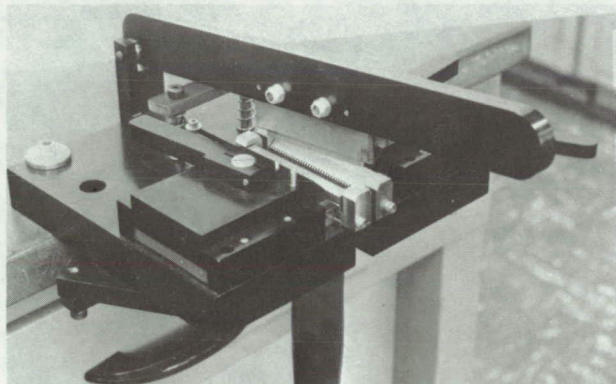
Marshall Space Flight Center



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Folding Tool for Preparing FCC Molded-Plug Terminations

A hand-operated folding tool will accommodate flat conductor molded plug assemblies up to 3 in. wide. The assemblies consist of a window piece, conductor spacer, insulator, outer seal, and molded



portion that integrates all components. The preparation of FCC for molded plug termination requires that the terminated ends of all conductors in each cable be accurately folded into the spacer end groove simultaneously.

After the stripping operation is completed, the exposed conductors are cleaned (if required) and plated. The conductors are then inserted through the window piece and placed in a seating tool. A

spacer is inserted between two sets of conductors comprising two cables, and the conductors are folded into the spacer end groove, using the folding tool. The seated assembly is inserted through the front opening of the tool and positioned against an adjustable stop. The folding tool vise jaws are closed until the seated assembly is securely clamped, with each conductor seated in the proper groove of the spacer. The conductors are then folded by manipulating the tool in a four-step sequence.

Note:

Requests for further information may be directed to:

Technology Utilization Officer
Code A&TS-TU
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Patent status:

No patent action is contemplated by NASA.

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